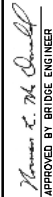



DEAD LOAD DEFLECTION DIAGRAM

NOTES:
1. ENCIRCLED NUMBERS INDICATE ANTICIPATED DEFLECTION DUE TO CONCRETE ONLY.
2. DEFLECTIONS ARE IN INCHES.

| MOMENT - foot-kips | | | MOMENT AND REACTION TABLE | | | | | | | | REACTION - kips | | | |
|---|-------------|----------|------------------------------|---------------------------------|------------------|------------------|----------------------|----------------------|------------------|------------------|-----------------|-----|--|--|
| LOAD NAME | LOAD - k/ft | | POSITIVE MOMENT | | | | NEGATIVE MOMENT | | REACTION | | | | | |
| | INTERIOR | EXTERIOR | 0.4 PT. END SPAN INTERIOR | 0.5 PT. CENTER SPAN EXTERIOR | PIER INTERIOR | PIER EXTERIOR | ABUTMENT INTERIOR | ABUTMENT EXTERIOR | PIER INTERIOR | PIER EXTERIOR | | | | |
| D.L. NO. 1 | 0.74* | 0.72* | 251 | 245 | 324 | 317 | 541 | 529 | 21 | 21 | 77 | 75 | | |
| D.L. NO. 2 | 0.29 | 0.29 | 91 | 88 | 129 | 121 | 152 | 160 | T | T | 25 | 25 | | |
| LIVE LOAD + IMPACT HS20-44 LANE TRUCK | MOMENT | MOMENT | 661 | 617 | 786 | 721 | - | - | 58 | 49 | - | - | | |
| | 1.35 | 1.27 | | | | | | | | | | | | |
| | REACTION | REACTION | - | - | - | - | 436 | 431 | - | - | 69 | 65 | | |
| | 1.65 | 1.05 | - | - | - | - | 1129 | 1120 | 86 | 77 | 171 | 165 | | |
| TOTAL | | | - | - | - | - | | | | | | | | |

* LOAD VALUES DO NOT INCLUDE GIRDER WEIGHT.
MOMENT AND REACTION VALUES DO INCLUDE GIRDER WEIGHT.
MOMENTS AND REACTIONS SHOWN ARE UNFACTORED.

| | | | |
|----------------------|--|---|-------------|
| LATEST REVISION DATE |  APPROVED BY BRIDGE ENGINEER |  | |
| | | STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES FEBRUARY, 2004 | |
| | | BEAM DEFLECTIONS 220'-0 BRIDGE | RS40-BD4-04 |